Multi-Restaurant Website Database Schema

# Users Table

This table stores information about the users of the platform.  
  
- \*\*Users\*\*

- userid (Primary Key, INT, Auto Increment)  
- image(file)  
- name (VARCHAR)  
- address (VARCHAR)  
- email (VARCHAR, Unique)

- username(VARCHAR,unique)  
- password (VARCHAR)

- phone\_number (VARCHAR)

# Restaurants Table

This table stores information about the restaurants.  
  
- \*\*Restaurants\*\*

- restaurant\_id (Primary Key, INT, Auto Increment)  
 - image(file)  
 - name (VARCHAR)  
 - email (VARCHAR, Unique)  
 - phone\_number (VARCHAR)  
 - address (VARCHAR)  
 - opening\_hours (VARCHAR)  
 - rating (FLOAT)

# Menus Table

This table stores the menus for each restaurant.  
  
- \*\*Menus\*\*  
 - menu\_id (Primary Key, INT, Auto Increment)  
 - restaurant\_id (Foreign Key, INT)  
 - name (VARCHAR)  
 - description (TEXT)

# Menu Items Table

This table stores individual items within a menu.  
  
- \*\*Menu\_Items\*\*  
 - menu\_item\_id (Primary Key, INT, Auto Increment)  
 - menu\_id (Foreign Key, INT)  
 - name (VARCHAR)  
 - description (TEXT)  
 - price (DECIMAL)

# Orders Table

This table stores information about orders placed by users.  
  
- \*\*Orders\*\*  
 - order\_id (Primary Key, INT, Auto Increment)  
 - user\_id (Foreign Key, INT)  
 - restaurant\_id (Foreign Key, INT)  
 - order\_status (VARCHAR)  
 - total\_price (DECIMAL)  
 - order\_date (TIMESTAMP)  
 - delivery\_address (VARCHAR)

# Order Items Table

This table stores the items included in each order.  
  
- \*\*Order\_Items\*\*  
 - order\_item\_id (Primary Key, INT, Auto Increment)  
 - order\_id (Foreign Key, INT)  
 - menu\_item\_id (Foreign Key, INT)  
 - quantity (INT)  
 - price (DECIMAL)

# Reviews Table

This table stores reviews left by users for restaurants.  
  
- \*\*Reviews\*\*  
 - review\_id (Primary Key, INT, Auto Increment)  
 - user\_id (Foreign Key, INT)  
 - restaurant\_id (Foreign Key, INT)  
 - rating (INT)  
 - comment (TEXT)

# Payment Details Table

This table stores payment details for orders.  
  
- \*\*Payment\_Details\*\*  
 - payment\_id (Primary Key, INT, Auto Increment)  
 - order\_id (Foreign Key, INT)  
 - payment\_method (VARCHAR)  
 - payment\_status (VARCHAR)  
 - amount (DECIMAL)  
 - payment\_date (TIMESTAMP)

Schema::create('users', *function* (Blueprint $table) {

            $table->id('userid');

            $table->string('image')->nullable();

            $table->string('name');

            $table->string('address');

            $table->string('mobile\_no');

            $table->string('email')->unique();

            $table->string('username')->unique();

            $table->string('password');

            $table->timestamps();

        });

Schema::create('menus', *function* (Blueprint $table) {

            $table->id('menuid');

            $table->foreignId('restid')->references('restid')->on('restaurants')->onDelete('cascade');

            $table->string('image')->nullable();

            $table->string('name');

            $table->decimal('price', 8, 2);

            $table->timestamps();

        });

Schema::create('restaurants', *function* (Blueprint $table) {

            $table->id('restid');

            $table->string('image')->nullable();

            $table->string('name');

            $table->string('address');

            $table->string('mobile\_no');

            $table->string('email')->unique();

            $table->string('username')->unique();

            $table->string('password');

            $table->timestamps();

        });

Schema::create('orders', *function* (Blueprint $table) {

            $table->id('orderid');

            $table->foreignId('userid')->references('userid')->on('users')->onDelete('cascade');

            $table->foreignId('restid')->references('restid')->on('restaurants')->onDelete('cascade');

            $table->dateTime('date');

            $table->string('status');

            $table->decimal('amount', 8, 2);

            $table->string('address');

            $table->timestamps();

        });

Schema::create('reviews', *function* (Blueprint $table) {

            $table->id('reviewid');

            $table->foreignId('userid')->references('userid')->on('users')->onDelete('cascade');

            $table->foreignId('restid')->references('restid')->on('restaurants')->onDelete('cascade');

            $table->integer('rating');

            $table->text('comment')->nullable();

            $table->timestamps();

        });

Schema::create('order\_items', *function* (Blueprint $table) {

            $table->id('orderitemid');

            $table->foreignId('orderid')->references('orderid')->on('orders')->onDelete('cascade');

            $table->foreignId('menuid')->references('menuid')->on('menus')->onDelete('cascade');

            $table->integer('qty');

            $table->decimal('price', 8, 2);

            $table->timestamps();

        });

Schema::create('payments', *function* (Blueprint $table) {

            $table->id('paymentid');

            $table->foreignId('orderid')->references('orderid')->on('orders')->onDelete('cascade');

            $table->string('paymethod');

            $table->string('paystatus');

            $table->decimal('amount', 8, 2);

            $table->dateTime('date');

            $table->timestamps();

        });